

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 1015501662  
Source: IFUP  
Date Processed by STIC: 6/14/06

***ENTERED***



IFWP

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/550,662

DATE: 06/14/2006  
TIME: 10:00:58

Input Set : A:\8830-364US1.TXT  
Output Set: N:\CRF4\06142006\J550662.raw

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4 <110> APPLICANT: Sylvia Helen Duncan
5     Harry James Flint
6     Rowett Research Institute
8 <120> TITLE OF INVENTION: Lactic Acid Utilising Bacteria And Their
9     Therapeutic Use
11 <130> FILE REFERENCE: 08830-0364US1
13 <140> CURRENT APPLICATION NUMBER: 10/550,662
C--> 14 <141> CURRENT FILING DATE: 2005-09-26
16 <150> PRIOR APPLICATION NUMBER: GB0307026.5
17 <151> PRIOR FILING DATE: 2003-03-27
19 <160> NUMBER OF SEQ ID NOS: 10
21 <170> SOFTWARE: FastSEQ for Windows Version 4.0
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 20
25 <212> TYPE: DNA
26 <213> ORGANISM: Artificial Sequence
28 <220> FEATURE:
29 <223> OTHER INFORMATION: Primer
31 <400> SEQUENCE: 1
32 agagtttgat cmtggctcag
34 <210> SEQ ID NO: 2
35 <211> LENGTH: 21
36 <212> TYPE: DNA
37 <213> ORGANISM: Artificial Sequence
39 <220> FEATURE:
40 <223> OTHER INFORMATION: Primer
42 <400> SEQUENCE: 2
43 acggctacct tgttacgact t
45 <210> SEQ ID NO: 3
46 <211> LENGTH: 18
47 <212> TYPE: DNA
48 <213> ORGANISM: Artificial Sequence
50 <220> FEATURE:
51 <223> OTHER INFORMATION: Primer
53 <400> SEQUENCE: 3
54 cagcmgccgc ggtaatwc
56 <210> SEQ ID NO: 4
57 <211> LENGTH: 18
58 <212> TYPE: DNA
59 <213> ORGANISM: Artificial Sequence
61 <220> FEATURE:
62 <223> OTHER INFORMATION: Primer
64 <400> SEQUENCE: 4

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20

21

18

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65 gwattaccgc ggckgctg 18
67 <210> SEQ ID NO: 5
68 <211> LENGTH: 20
69 <212> TYPE: DNA
70 <213> ORGANISM: Artificial Sequence
72 <220> FEATURE:
73 <223> OTHER INFORMATION: Primer
75 <400> SEQUENCE: 5
76 aaactcaaak gaattgacgg 20
78 <210> SEQ ID NO: 6
79 <211> LENGTH: 20
80 <212> TYPE: DNA
81 <213> ORGANISM: Artificial Sequence
83 <220> FEATURE:
84 <223> OTHER INFORMATION: Primer
86 <400> SEQUENCE: 6
87 ccgtcaattc mtttragttt 20
89 <210> SEQ ID NO: 7
90 <211> LENGTH: 1450
91 <212> TYPE: DNA
92 <213> ORGANISM: Eubacterium hallii (Strain D6 1L/1)
94 <400> SEQUENCE: 7
95 gatgaacgct ggcggcgtgc ctaacactgc aagtcaacg aagcacctta cctgattctt 60
96 cggatgaagg tctggtgact gagtggcggg cgggtgagta acgcgtgggt aacctgccc 120
97 gtacaggggg ataacagttg gaaacggctg ctaataccgc ataagcgcac gagaggacat 180
98 cctttgtgt gaaaaactcc ggtggtacag gatgggccc cgtctgatta gctggttggc 240
99 agggtaacgg cctaccaagg cgacgatca gtagccgtct gagaggatga acggccacat 300
100 tggaaactgag acacggtcca actcatacgg gaggcagcag tggggatata tgcacaatgg 360
101 gggaaaccct gatgcagcaa cggcgtgtc gtgaagaagt atttcggat gtaaagctct 420
102 atcagcaggg aagataatga cggtacctga ctaagaagct cggcttaat acgtgccagc 480
103 agccgcggta atacgtatgg agcaagcggtt atccggattt actgggtgtt aagggtgcgt 540
104 aggtggcagt gcaagtca gatgttggc cggggctcaa cccggagct gcatttgaaa 600
105 ctgcatacgat agagtacagg agaggcaggg ggaattccctt gtgttagcggtt gaaatgcgtt 660
106 gatatttagga ggaacaccagg tggcgaaggc ggcctgtctt actgttactt acactgaggc 720
107 acgaaagcgt ggggagcaaa caggattaga taccctggta gtccacgcgg taaacgatgt 780
108 atactagggt tggggccgtt ataggcttcg gtggcgtcgc aaacgcagta agtattccac 840
109 ctggggagta cgttcgcaag aatgaaactc aaaggattt acggggaccc gcacaagcgg 900
110 tggagcatgt ggttaattt gaaagcaacgc gaagaacctt accaggtttt gacatccccc 960
111 tgaccactcc gtaatgggag tcttccttcg ggacagaaga gacaggttgtt gcatgggtgt 1020
112 cgtcagctcg tgcgtgaga tgggggtt agtcccgaa cggcgtcaac ccctatcttc 1080
113 agtagccagc aggttaaggct gggcactctg gagagactgc cagggataac ctggagggaa 1140
114 gtggggacga cgtcaaata tcatgcctt tatgtatctgg ggcacacacg tgctacaatg 1200
115 gcggtcacaa agtgaggcga acctgcgagg gggagcaac cacaagg ccgtcccgat 1260
116 tcggactgta gtctgcaacc cgactacacg aagctggat cgctagtaat cgcaatcag 1320
117 aatgtcgccg tgaatacggtt cccgggtttt gtacacaccg cccgtcacac catggaggtc 1380
118 ggaaatgccc gaagccagtg acccaaccat atggaggag ctgtcgaagg tggagccggt 1440
119 aactgggggtg 1450
121 <210> SEQ ID NO: 8
122 <211> LENGTH: 1450

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123 <212> TYPE: DNA  
124 <213> ORGANISM: Eubacterium hallii (Strain SM 6/1)  
126 <220> FEATURE:  
127 <221> NAME/KEY: misc\_feature  
128 <222> LOCATION: (1263) ... (1263)  
129 <223> OTHER INFORMATION: n = a, t, c or g  
131 <221> NAME/KEY: misc\_feature  
132 <222> LOCATION: (1427) ... (1427)  
133 <223> OTHER INFORMATION: n = a, t, c or g  
W--> 135 <221> misc\_feature  
136 <222> LOCATION: (1455) ... (1456)  
137 <223> OTHER INFORMATION: n = a, t, c or g  
W--> 139 <400> 8  
140 gatgaacgct ggcggcgtgc ctaacacatg caagtcgaac gaagcacctt acgagattct 60  
141 tcggatgatc gtttggtgac tgagtggcg acgggtgagt aacgcgtggg taacctgccc 120  
142 tgtacagggg gataacagct ggaaacggct gctaataccg cataagcgca cgaggagaca 180  
143 tctcctagtg tgaaaaactc cgggtgtaca ggatgggccc gcgtctgatt agctggttgg 240  
144 cagggtAACG gcctaccaag gcaacgatca gttagccggc tgagaggatg aacggccaca 300  
145 ttgggaactgA gacacgggtcc aactcctac gggaggcagc aqtqgggaaat attgcacaat 360  
146 yyyyggaaacc ctgatgcagc aacgcggcgt gagtgaagaa gtatccgtt atgtaaagct 420  
147 ctatcagcag ggaagataat gacggtaacct gactaagaag ctccggctaa atacgtgcca 480  
148 gcagccgcgg taatagatgg gtagcaagcg ttatccggat ttactgggtg taaagggtgc 540  
149 gtaggtggca gtgcaagtca gatgtgaaag gcccggcgt aaccccgag ctgcatttga 600  
150 aactgcwyrg ctagagtaca ggagaggcag gcggaaattcc tagttagcgt gtgaaatgcg 660  
151 tagatattag gaggaacacc agtggcgaag gcggcctgt ggactgttac tgacactgag 720  
152 gcacgaaagc gtggggagca aacaggatta gataccctgg tagtccacgc cgtaaaccgt 780  
153 gaataactagg tgcggggcc gtataggcgt cggtccgc gctaacgcag taagtattcc 840  
154 acctggggag tacgttcgca agaatgaaac tcaaaggaat tgacgggac cccacaagc 900  
155 ggtggagcat gtggttaat tcgaagcaac gcgaagaacc ttaccagtc ttgacatcct 960  
156 tctgaccgca ccttaatcgg tgcttcctt cgggacagaa gagacagggtg gtgcattgg 1020  
157 gtcgtcagct cgtgtcgtga gatgttgggt taatcccgc aacgagcgc accctatct 1080  
158 tcagtagcca gcaggtaagg ctggcactc tggagagact gccaggata acctggagga 1140  
159 aggtggggac gacgtcaaatt catcatgccc cttatgtatc gggcgcacaca cgtgctacaa 1200  
160 tggcggtcac agagtggaggc gaacccgoga gggggagcaaa accacaaaaa ggcgtccca 1260  
W--> 161 gtnccgactg tagtctgcaa cccgactaca cagaagctgg aatcgctagt aatcgcaat 1320  
162 cagaatgtcg cggtaatac gttcccggtt cttgtacaca ccgcccgtca caccatggga 1380  
W--> 163 gtcggaaatg cccgaagcca gtgacccaaac ctttatgaag gaagccngtc caaggttgaa 1440  
W--> 164 cccgttaact ggggnntt 1458  
166 <210> SEQ ID NO: 9  
167 <211> LENGTH: 1477  
168 <212> TYPE: DNA  
169 <213> ORGANISM: Ruminococcus gnavus  
171 <400> SEQUENCE: 9  
172 gagtttgatc ctgggtcagg atgaacgctg gcggcgtgcc taacacatgc aagtcgaacg 60  
173 aggttatattt aattgaagtt ttcggatgga ttcaatgtat accgagttggc ggacgggtga 120  
174 gtaacgcgtg ggtaacctgc ctcatcataagg gggataacgg ttagaaatga ctgctaatac 180  
175 cgcataagcg cacagtaccg catggtaacgg tggaaaaac tccgggtgta tgagatggac 240  
176 cccgcgtctga ttagcttagtt ggtggggtaa cggccacca aggcgacgt cagtagccga 300  
177 cctgagaggg tgaccggcca cattgggact gagacacggc ccagactcct acgggaggca 360

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RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/550,662

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TIME: 10:00:59

Input Set : A:\8830-364US1.TXT  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:8; N Pos. 1263,1427,1455,1456

VERIFICATION SUMMARY  
PATENT APPLICATION: US/10/550,662

DATE: 06/14/2006  
TIME: 10:00:59

Input Set : A:\8830-364US1.TXT  
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L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:135 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:8  
L:139 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:8  
L:161 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:1260  
L:163 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:1380  
L:164 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:1440